

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5635	(424/47,70.122,70.12,70.11,70.15,70.16,70.22,70.21,70.27,70.28,70.29,70.31).ccls.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 15:34
L3	3224	(525/66,71,191).ccls.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 15:35
L5	2798	(528/271,288).ccls.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 15:36
L7	1575	510/475.ccls.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 15:36
L9	437	(interpenetrating polymer network).clm.	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:36
L10	3	I9 and I1	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:37
L11	5	I9 and I3	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:37
L12	0	I9 and I5	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:37
L13	0	I9 and I7	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:37
L21	30	("20030171246"   "20030180245"   "3145147"   "3932610"   "4177178"   "4196190"   "4223009"   "4501834"   "4521404"   "4710374"   "4725492"   "4796646"   "5009880"   "5068099"   "5097851"   "5126124"   "5185143"   "5441728"   "5501851"   "5519063"   "5686062"   "5723113"   "5948396"   "5948396"   "5980878"   "5998500"   "6136296"   "6294158"   "6297326"   "6482394"   "6696050").PN.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 15:56
L22	2639	(interpenetrating polymer network)	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:57
L23	1	I21 and I22	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:57
L24	4965	(interpenetrating polymer network) or IPN	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:58
L25	1	I21 and I24	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:58
L26	56595	(aqueous ammonia)	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:58
L27	132	I24 and I26	US-PGPUB; USPAT	ADJ	ON	2010/06/23 15:59
L29	70	(anion\$5 and cation\$5) and I27	US-PGPUB; USPAT	ADJ	ON	2010/06/23 16:01

L30	3	hair and l29	US-PGPUB; USPAT	ADJ	ON	2010/06/23 16:01
L31	1	"4796646".pn.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 16:17
L33	1	"20030171246".pn.	US-PGPUB; USPAT	NEAR	ON	2010/06/23 16:19
L35	6	"581264".pn.	EPO; DERWENT	NEAR	ON	2010/06/23 16:31
S1	1	"20030171246".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:50
S2	50	("20070197729" "20040259982" "20050119409" "20050131178" "20050137318" "20050154160" "20050159321" "20050181204" "20050192408" "20060024610" "20060057465" "20060155044" "20060205880" "20070032572" "20070101510" "20070161537" "20070172866" "20070185245" "20070249774" "20070262290" "20070299220" "20080021130" "20080064804" "20080132564" "20080171162" "20080171169" "20080206536" "20080255295" "4894414" "5240993" "5270387" "6323279" "6492473" "6582795" "6727319" "6815500" "6828395" "6951903" "6988022" "7186778" "20030040558" "20030092837" "20030119986" "20030236350" "20040254308" "20050267267" "20060069210" "20070015605" "20070155892" "20070193643" ).pn.	US-PGPUB; USPAT	OR	ON	2008/12/01 14:47
S3	11	((NORWIN) near2 (WOLFF)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 14:49
S4	176	((TIMOTHY) near2 (MARTIN)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 14:49
S5	1	((THOMAS) near2 (HIFF)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 14:49
S6	18	("20030171246"   "3145147"   "4177178"   "4223009"   "4501834"   "4521404"   "4796646"   "5009880"   "5068099"   "5126124"   "5441728"   "5501851"   "5686062"   "5723113"   "5948396"   "5980878"   "5998500"   "6482394").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 14:57
S7	1	"4796646".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:16
S8	1	"20030171246".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:20
S9	1	"5998500".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:21
S10	1	"6482394".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:23
S11	1	"4501834".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:25
S12	2	interpolymer.as.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:26
S13	0	(interpolymer corp).as.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:55
S14	2	(interpolymer corporation).as.	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:56
S15	2	"2383660".pn.	EPO; DERWENT	ADJ	ON	2008/12/01 16:07

S16	3	("4009256"   "4638822"   "5879669").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/02 12:03
S17	13	("5879669").URPN.	USPAT	ADJ	ON	2008/12/02 12:05
S18	1	"4240450".pn.	USPAT	ADJ	ON	2008/12/02 12:06
S19	877	525/191.ccls.	USPAT	ADJ	ON	2008/12/02 13:54
S20	160	523/124.ccls.	USPAT	ADJ	ON	2008/12/02 13:54
S21	2482	(424/47,70.11,70.15,70.16,70.22,70.29).ccls.	USPAT	ADJ	ON	2008/12/02 13:55
S22	683	55/528.ccls.	USPAT	ADJ	ON	2008/12/02 13:55
S23	1172	510/475.ccls.	USPAT	ADJ	ON	2008/12/02 13:56
S24	213	524/28.ccls.	USPAT	ADJ	ON	2008/12/02 13:56
S25	1655	(525/71,66).ccls.	USPAT	ADJ	ON	2008/12/02 13:57
S26	1489	interpenetrating adj polymer	USPAT	ADJ	ON	2008/12/02 13:59
S27	9	S26 and S19	USPAT	ADJ	ON	2008/12/02 13:59
S28	1	S26 and S20	USPAT	ADJ	ON	2008/12/02 14:00
S29	7	S26 and S21	USPAT	ADJ	ON	2008/12/02 14:00
S30	2	S26 and S22	USPAT	ADJ	ON	2008/12/02 14:00
S31	0	S26 and S23	USPAT	ADJ	ON	2008/12/02 14:00
S32	2	S26 and S24	USPAT	ADJ	ON	2008/12/02 14:00
S33	18	S26 and S25	USPAT	ADJ	ON	2008/12/02 14:00
S34	120103	hair or nail or (personal adj care) or keratin\$	USPAT	ADJ	ON	2008/12/02 14:02
S35	113	S26 and S34	USPAT	ADJ	ON	2008/12/02 14:02
S36	27	bimodal and S26	USPAT	ADJ	ON	2008/12/02 14:03

S37	12973	basf.as.	USPAT	ADJ	ON	2008/12/02 14:04
S38	13	S26 and S37	USPAT	ADJ	ON	2008/12/02 14:04
S39	422	S34 and S37	USPAT	ADJ	ON	2008/12/02 14:06
S40	3	bimodal and S39	USPAT	ADJ	ON	2008/12/02 14:06
S41	13	((NORWIN) near2 (WOLFF)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:54
S42	199	((TIMOTHY) near2 (MARTIN)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:54
S43	2	((THOMAS) near2 (HUFF)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:54
S44	3	(interpolymer).as.	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:54
S45	4533	(interpenetrating adj polymer adj network) or IPN	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:57
S46	2	S45 and S42	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:57
S47	2500	(424/47,70.11,70.15,70.16,70.22,70.29).cls.	USPAT	ADJ	ON	2009/06/25 09:57
S48	7	S47 and S45	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:57
S49	1662	(525/71,66).cls.	USPAT	ADJ	ON	2009/06/25 09:58
S50	17	S49 and S45	US-PGPUB; USPAT	ADJ	ON	2009/06/25 09:58
S52	1	"5391802".pn.	US-PGPUB; USPAT	ADJ	ON	2009/06/25 10:52
S53	1	"4212774".pn.	US-PGPUB; USPAT	ADJ	ON	2009/06/25 12:00
S54	1	"20070197729".pn.	US-PGPUB; USPAT	ADJ	ON	2009/11/30 14:04
S55	1	"20080064797".pn.	US-PGPUB; USPAT	ADJ	ON	2009/11/30 17:36
S56	4358	(424/70.122,70.12,70.11,70.15,70.16,70.22,70.21,60.27,70.28,70.31).cls.	US-PGPUB; USPAT	ADJ	ON	2009/11/30 18:39
S57	56	anion\$5 and cation\$5 and hair and ((interpenetrating polymer network) or ipn)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/30 18:41

S58	1	"5948396".pn.	US-PGPUB; USPAT	ADJ	ON	2009/11/30 18:49
S59	16	("3726288"   "3927199"   "3958581"   "3981987"   "4165367"   "4192861"   "4196190"   "4933170"   "5068099"   "5126124"   "5160729"   "5304368").PN. OR ("5948396").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/30 18:50
S60	27	anion\$5 and cation\$5 and ((hair fixative) or shampoo or (hair spray)) and ((interpenetrating polymer network) or ipn)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/30 19:02

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	3490	(424/47,70.122,70.12,70.11,70.15,70.16,70.22,70.21,70.27,70.28,70.29,70.31).ccls.	USPAT; UPAD	NEAR	ON	2010/06/23 15:34
L4	2647	(525/66,71,191).ccls.	USPAT; UPAD	NEAR	ON	2010/06/23 15:35
L6	2458	(528/271,288).ccls.	USPAT; UPAD	NEAR	ON	2010/06/23 15:36
L8	1242	510/475.ccls.	USPAT; UPAD	NEAR	ON	2010/06/23 15:36
L14	265	((interpenetrating polymer network).clm.	USPAT; UPAD	ADJ	ON	2010/06/23 15:38
L15	2	L14 and l2	USPAT; UPAD	ADJ	ON	2010/06/23 15:38
L16	3	L14 and l4	USPAT; UPAD	ADJ	ON	2010/06/23 15:38
L17	0	L14 and l6	USPAT; UPAD	ADJ	ON	2010/06/23 15:38
L18	0	L14 and l8	USPAT; UPAD	ADJ	ON	2010/06/23 15:38
L19	0	(anion\$5 and cation\$5 and ((hair fixative) or shampoo or (hair spray)) and ((interpenetrating polymer network) or ipn)).clm.	USPAT; UPAD	ADJ	ON	2010/06/23 15:40
L20	6	(anion\$5 and cation\$5 and ((interpenetrating polymer network) or ipn)).clm.	USPAT; UPAD	ADJ	ON	2010/06/23 15:40
S61	8	((NORWIN) near2 (WOLFF)).INV.	USPAT; UPAD	ADJ	ON	2010/06/23 13:59
S62	115	((TIMOTHY) near2 (MARTIN)).INV.	USPAT; UPAD	ADJ	ON	2010/06/23 14:00
S63	0	((THOMAS) near2 (HIFF)).INV.	USPAT; UPAD	ADJ	ON	2010/06/23 14:00

S64	265	(interpenetrating polymer network).clm.	USPAT; UPAD	ADJ	ON	2010/06/23 14:01
S65	0	S62 and S64	USPAT; UPAD	ADJ	ON	2010/06/23 14:01
S66	2	(interpolymer).as.	USPAT; UPAD	ADJ	ON	2010/06/23 14:01
S67	1782	(aqueous ammonia).clm.	USPAT; UPAD	ADJ	ON	2010/06/23 14:02
S68	2	S64 and S67	USPAT; UPAD	ADJ	ON	2010/06/23 14:02

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